

TECHNICAL DATA

ETFE EP-7000

FEATURES

ETFE EP-7000 is a fluoropolymer specifically designed for the Automotive Industry. This resin has an excellent permeation resistance to hydrocarbons and adheres well to many kinds of plastics without adhesive or etching.

BENEFITS

ETFE EP-7000 can be easily co-extruded into multi layer tubing and offers the following advantages for automotive applications:

- Excellent permeation resistance to hydrocarbons
- Increased temperature resistance
- Excellent chemical resistance
- Co-extrusion with other resins (nylons, ETFE, EFEP) without adhesive or etching
- Cold impact resistance

TYPICAL APPLICATIONS

Straight and convoluted tubes, mono- and multi-layer tubing.

TYPICAL PROPERTIES*

Property	Unit	Test Method	EP-7000
Specific Gravity	-	ASTM D792	1.76
Melting Point	°C	DSC	255
MFR (297 °C, 5kg)	g/10 min	ASTM D1238	15 ~ 25
Tensile Strength	MPa	ASTM D3159	30 ~ 50
Elongation	%	ASTM D3159	365 ~ 525
Permeation Resistance (average)	g.mm/m ² .day	CE-10, 60°C	2.5

(*): Not for specification

SAFETY

When EP-7000 resin is heated to temperatures above 340 °C, some decomposition products may be given off. These decomposition products may be harmful, and inhalation of these fumes must be avoided. Process equipment and working area must be adequately ventilated.

For further information, please refer to the material safety datasheet for these products and the *Guide to the Safe Handling of Fluoropolymer Resins* published by SPI Inc., 1801 K Street, NW, Suite 600K, Washington, DC, 20006-1301 (202-974-5200) or e-mail your questions to EFEP@daikin-america.com.

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